



Tomorrow's Electronics 2017

Seminar in the conference program at
the Electronics & Applications Show

- Wednesday May 31th, 09.00 – 13.00 hrs
- Seminar of Electronics & Applications 2017
- Jaarbeurs Utrecht, Croese Foyer

Organizing Partners





HP Enterprise unveils The Machine, a single-memory computer capable of addressing 160 terabytes

DEAN TAKAHASHI @DEANTAK MAY 16, 2017 6:01 AM

MEMORY-DRIVEN COMPUTING

HPE's vision for computing in the new big data era that will enable critical leaps in performance to allow extraction of insights from data like never before



Hewlett Packard Enterprise announced what it is calling a big breakthrough — creating a prototype of a computer with a single bank of memory that can process enormous amounts of information. The computer, known as The Machine, is a custom-built device made for the era of big data.

HPE said it has created the world's largest single-memory computer. The R&D program is the largest in the history of HPE, the former enterprise division of HP that split apart from the consumer-focused division.

Above: HPE's new Memory-Driven Computer puts memory, not the processor, at the center.

Image Credit: HPE

VB Recommendations



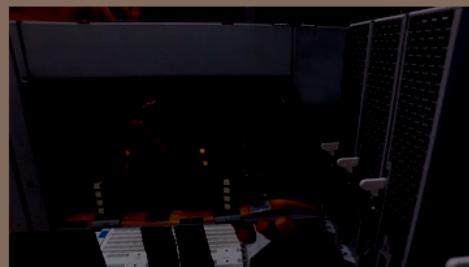
Amazon expands Prime Reading book service beyond the U.S. and into the U.K.

'The machine' claimt berg aan big data tegelijk te kunnen verwerken

Hewlett Packard Enterprise claimt een supercomputer te hebben ontwikkeld die sneller dan bestaande computers enorme hoeveelheden data tegelijkertijd kan verwerken.

Bij 'the machine' gaat het niet om de snelheid van de processor, maar om het optimaal laten werken van de geheugenchips. In de computer is gebruik gemaakt van photonica, waarbij op chips met licht wordt gewerkt. Hierdoor kunnen de data sneller worden bereikt. Ook is het proces energiezuiniger en wordt de computer minder warm.

Het prototype dat dinsdag aan de wereld is getoond, heeft 160 terabytes aan geheugen, wat ongeveer overeenkomt met 10.000 laptops die allemaal tegelijk volop aan het werk zijn. Volgens ceo Meg Whitman van HPE gaan er achter de moderne bergen aan data grote wetenschappelijke doorbraken schuil, die met deze computer ontdekt kunnen worden. Aan het project is bijna drie jaar gewerkt.



Het laatste prototype van de computer Beeld: HPE

Volgen via mijn nieuws

Big data

Chips

Computers

Hewlett-Packard

Innovatie

Technologie

Laatste nieuws

12:56
'Campagneteam Trump had minstens achttien geheime contacten met Russen'

12:56
EU vergroot toegang tot Netflix

12:56
VEB steunt 'groene' resolutie op AvA Shell

12:48
Zesde sterren voor Nederlandse handelaars

PROGRAMME

NB: All lectures are in English

08.30: Welcome, registration, coffee

09.00: Opening and Introduction

TRENDS IN RESEARCH & DEVELOPMENT

**09.10: Trends in Micro Systems Technology,
Tackling the Optical Interconnection Challenge
for the Integrated Photonics Revolution**
Marcel Tichem, TU Delft

09.30: Micro Assembly Demands Sophisticated Architectural Approaches
Paul Dijkstra, Philips Innovation Services

**09.50: The Integrated Photonics Revolution,
The Roadmap Towards Smart Devices and Medium Volume Production**
Jeroen Duis, Smart Photonics

10.10: BREAK



Marcel Tichem
TU Delft



Paul Dijkstra
Philips Innovation Services



Jeroen Duis
Smart Photonics



Ralph Schachler
Finetech



Pieter Odkerse
TE Connectivity



Joan Tourné
NextGIn Technology



Menno Kooistra
STT Products



Kees Revenberg
MASER Engineering



Nima Tolou
Delft University of Technology

NEW ON-BOARD TECHNOLOGIES

10.30: **SubMicron Bonding Technologies**
Ralph Schachler, Finetech

10.50: **The Connectivity Issue in Design and Manufacturing of Smart Microsystems**
Pieter Okkerse, TE Connectivity

11.10: **VECS, Vertical Conductive Structure, a New Interconnect Technology**
Joan Tourné, nextGIn Technology BV

11.30: **BREAK**



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PRODUCTION, TESTING & APPLICATIONS

**11.50: Volume Production of Microsystems for Headsets and Wearables,
The In-House Option**

Menno Kooistra, STT Products

12.10: MEMS Devices, Application Based Testing
Kees Revenberg, MASER Engineering

12.30: MEMS Compliant Energy Harvesting for Industrial and Medical Applications
Nima Tolou, TU Delft

12.50: Closure of the meeting



Marcel Tichem
TU Delft



Paul Dijkstra
Philips Innovation
Services



Jeroen Duis
Smart Photonics



Ralph Schachler
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< Back

PHILIPS

innovation
services

Accelerate
innovation

 **MinacNed**
Association for Microsystems and Nanotechnology





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Sensor solution chips in on food safety

By **Helen Knight** 1st May 2017 12:10 am

A laser scanner designed to detect cancer-causing compounds in products could help to prevent toxic substances entering the food chain.



Now a new technique, developed by Lien Smeesters, a researcher in the B-PHOT Brussels Photonics Team at the University of Brussels, alongside Tomra Sorting Solutions, has been designed to spot potatoes that will go on to form high levels of acrylamide, before they are cooked.

A similar sensor can also detect other carcinogenic contaminants – mycotoxins – which can be found in food stuffs including cereals, nuts and dried fruits.

BEURS VAN BERLAGE
AMSTERDAM

12 & 13 December 2017



Mark your calendar for the International MicroNanoConference 2017.

12 and 13 December 2017, Beurs van Berlage Amsterdam!

Just TWO DAYS to go until the deadline for [submitting an abstract for the iMNC 2017 \(deadline June 1\)](#). The main topics this year are Microfluidics, (Bio)photonics and Fabrication / Characterization at the Nanoscale. Click [here](#) for more information.

If you want to participate as a sponsor, or with a table top booth or workshop, please contact the [the organization](#)



First Three Keynotes iMNC 2017 Confirmed...

The organization of the International MicroNanoConference is proud

Workshop Micro Nano Bio Systems, cluster of European Commission funded activities

The Annual Conception and

Tweets by @micronanoconf

-  **MicroNanoConference** @micronanoconf Call for Abstracts iMNC 2017: input requested from both science and industry. micronanoconference.org/call-for-abstr...

07 Apr
-  **MicroNanoConference** @micronanoconf IMNC 2017 host and co-organizer of the Micro Nano Bio Systems workshop of the European Commission 12-13 dec. Amsterdam

Venue:
Beurs van Berlage
Amsterdam
| Dec. 13 · 2017 |



the Sense
of Contact 19

where
Industry
Science

13 december 2017
Starts at 09:00



Beurs van Berlage
Damrak 243, Amsterdam

The Sense of Contact

Visitor Registration

Sensors for People & Industry

The 19th edition of the Sensor Technology Conference *Sense of Contact* is being held on December 13th 2017 at the Beurs van Berlage in Amsterdam.

The Sense of Contact brings together researchers and industrial applicants of sensor technology, reviewing the latest results from R&D programs. It also offers a platform for the community to come forward with ideas and demands for future research topics and project proposals.

The deadline for the [call for abstracts](#) is July 1th.

